Shades of Seattle
University Village Drum Site
Trip Report

TDD: 99-09-0007

Contract: 68-W6-0008
September 1999

Region 10

START

Superfund Technical Assessment and Response Team

Submitted To: Jeffry Rodin, On-Scene Coordinator
U.S. Environmental Protection Agency
1200 Sixth Avenue
Seattle, WA 98101

TRIP REPORT

DATE: October 8, 1999

TO: Jeff Rodin, On-Scene Coordinator (OSC), Environmental Protection Agency (EPA), Seattle, WA, Mail Stop ECL-116

FROM: Drew Wojtanik, START Project Manager, E & E, Seattle, WA

SUBJ: Shades of Seattle Paint Company, University Village location, Trip Report

REF: TDD 99-09-0007

Place Visited:

At the University Village location, 2900 NE Blakeley St., Seattle, Washington (Figure 1).

Purpose of Trip:

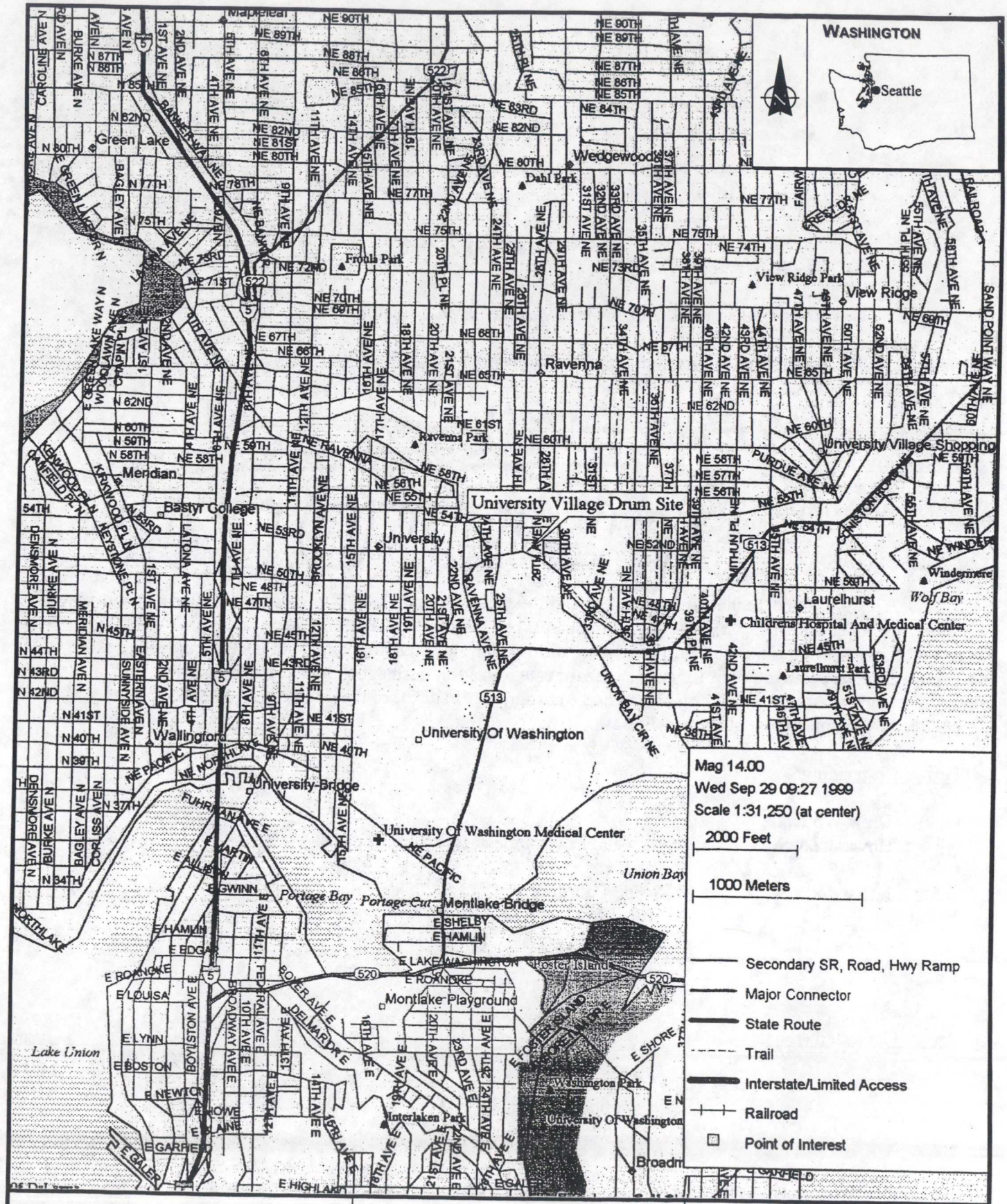
The Superfund Technical Assessment and Response Team (START) provided technical assistance to the EPA OSC at an illegal drum disposal site, in Seattle, Washington. The START assisted the EPA in assessing site conditions, conducted air monitoring of the drum area, collected liquid samples from five representative drums for further hazard categorization testing, conducted photographic documentation (Attachment A), stabilized and transported off site all of the drums and contents, and conducted documentation of site conditions.

Person Responding:

Drew Wojtanik, Howard Zorzi	Ecology and Environment, Inc. (E & E)
Jeffry Rodin	On-Scene Coordinator U.S. EPA, Region 10, Seattle, WA
Mike Burnett	Criminal Investigation Division U.S. EPA, Region 10, Seattle, WA

Person Contacted (primary):

Officer Kyle Stevens	City of Seattle Seattle Police Department 10049 College Way North Seattle, WA 98133 (206) 684-0850



ecology and environment, inc. International Specialists in the Environment Seattle, Washington	SHADES OF SEATTLE UNIVERSITY VILLAGE DRUM SITE Seattle, Washington	Figure 1 SITE LOCATION MAP

Drawn:	DATE:	JOB NO.	Dwg.No.
AES	9/29/99	DI0701SFT0	DI0701 1

Date of Trip:

September 1, 1999

BACKGROUND

The START, under Technical Directive Document (TDD) 99-01-0004, was tasked by the EPA to assist the OSC with an emergency response to an illegal disposal of drums containing hazardous waste. This response was similar to several other drum disposal sites throughout the Seattle area in recent months. The Criminal Investigation Division (CID) of EPA has been investigating a number of these sites for possible prosecution.

START ACTIONS

STARTs Wojtanik and Zorzi mobilized from the office to the site and met with OSC Rodin, Agent Burnett of CID, and Officer Stevens who was maintaining security at the drum site. The site was previously secured with barrier tape by the Seattle Fire Department. The site was located adjacent to a commercial building which contained a number of artist studios, residential apartments, and several businesses. According to a local witness who lived in the building, the previous night a pickup truck, with two men in it, was observed dumping drums in the parking area next to the building. When the resident approached the pickup, it was observed driving away and dumping the last few drums into the street area. The local fire department was called and responded, picking up the errant drums and consolidating them onto the parking area. A total of 24 five-gallon drums were dumped on site.

The START photo-documented the site conditions upon arrival (Photos 1-1 and 1-2 of Attachment A), organized the drums for air monitoring/sampling purposes, documented the approximate volumes within each drum, inspected the drums for integrity, transported them off site to the START warehouse for later disposal, and after cleaning up the site area, collected final photo-documentation of the site conditions upon departure (photos 1-15 to 1-17).

The START numbered each of the 24 drums (09001 - 09024), documented their approximate volumes, conducted photo-ionization detection (PID) air monitoring on each drum, and documented the appearance/viscosity of the contents of each drum (Attachment B). The OSC selected five of the drums, which reflected the highest PID readings, to also be tested for flash point using the Pensky-Martens Closed Cup Tester, using the test method specified in ASTM Standard D-93(96). The START conducted these tests and the results are provided in Attachment B and Attachment C. Based on the results of those five samples, it appears that the drums did contain characteristic (ignitability criteria) hazardous waste as determined by their flash points being less than 140 degrees Fahrenheit [40 CFR 261.21(a)(1)].

Almost all of the drums demonstrated similar manufacturer labeling identified as Rodda 461 Lacquer Thinner, Flammable Liquid, Paint Related Material UN 1263 (see photo 1-12 of Attachment A). Many of the drums also had several wraps of masking tape around them (see photo 1-5 and 1-9).

CONCLUSIONS

The START responded to this site to provide technical assistance to the EPA OSC, to document site conditions, and to stabilize and remove the drums from the residential/business district area for proper disposal. This concludes START activities for this particular dump site with the exception of final disposal which will be arranged and contracted for with FOSS Environmental & Infrastructure. To date, this waste has yet to be disposed, but is expected to soon. The START will notify the TM once disposal has taken place.

ATTACHMENT A

PHOTOGRAPHIC DOCUMENTATION

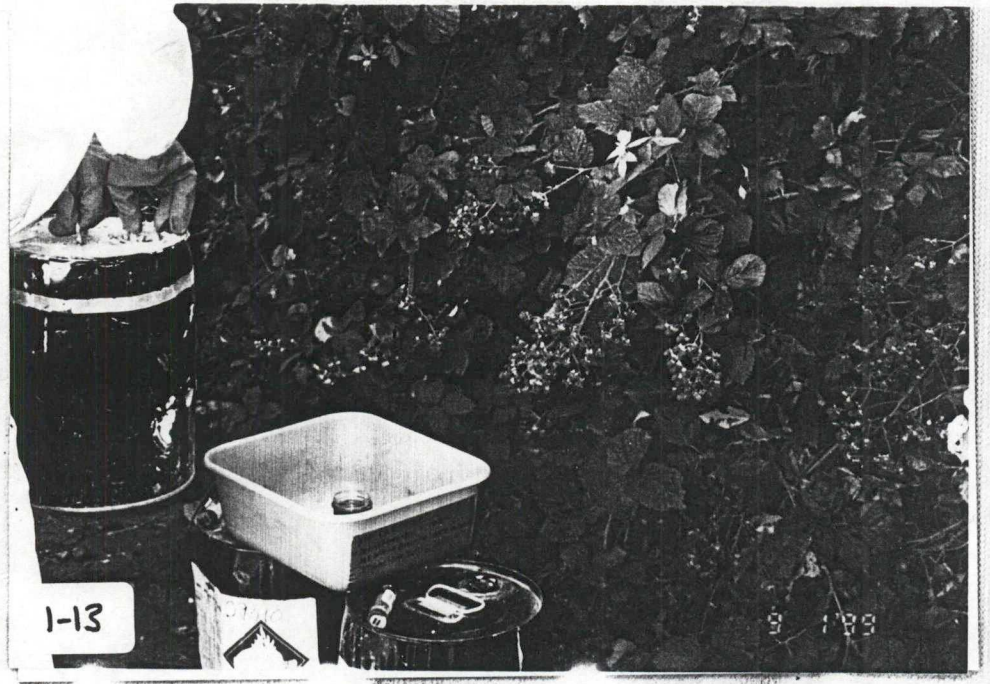
PHOTOGRAPH IDENTIFICATION SHEET

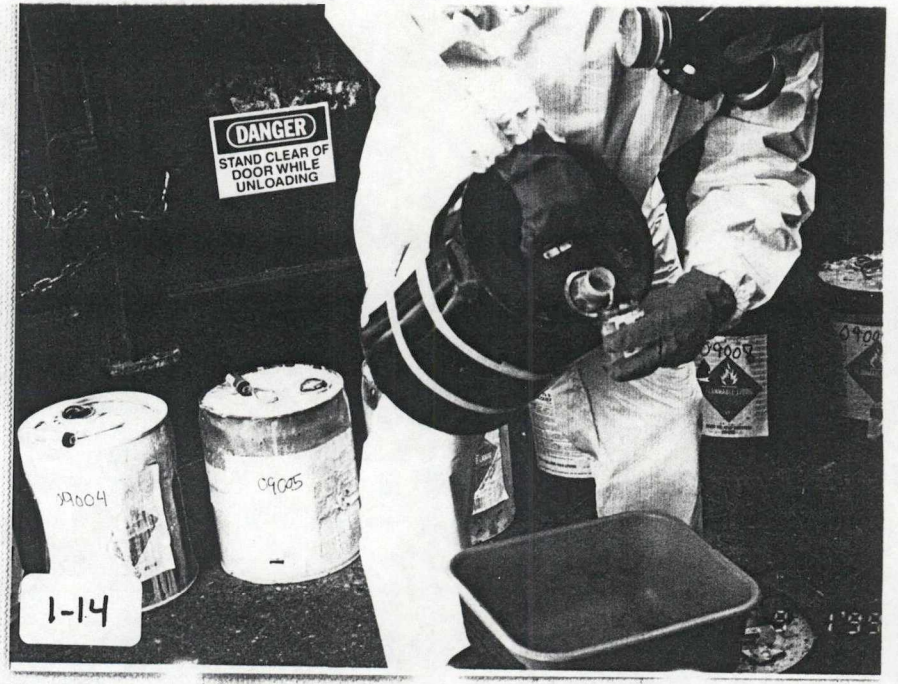
Camera Serial #: 897925 **TDD #:99-09-0007**

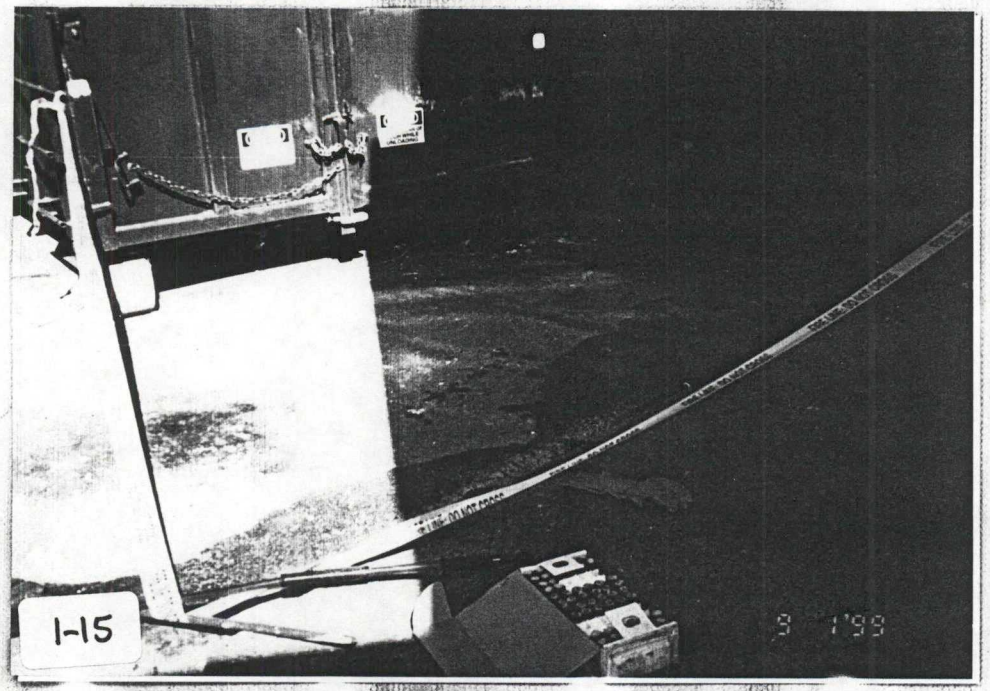
Lens Type: Pentax Zoom 90 WR **Site Name: Shades of Seattle, University Village Drum Site**

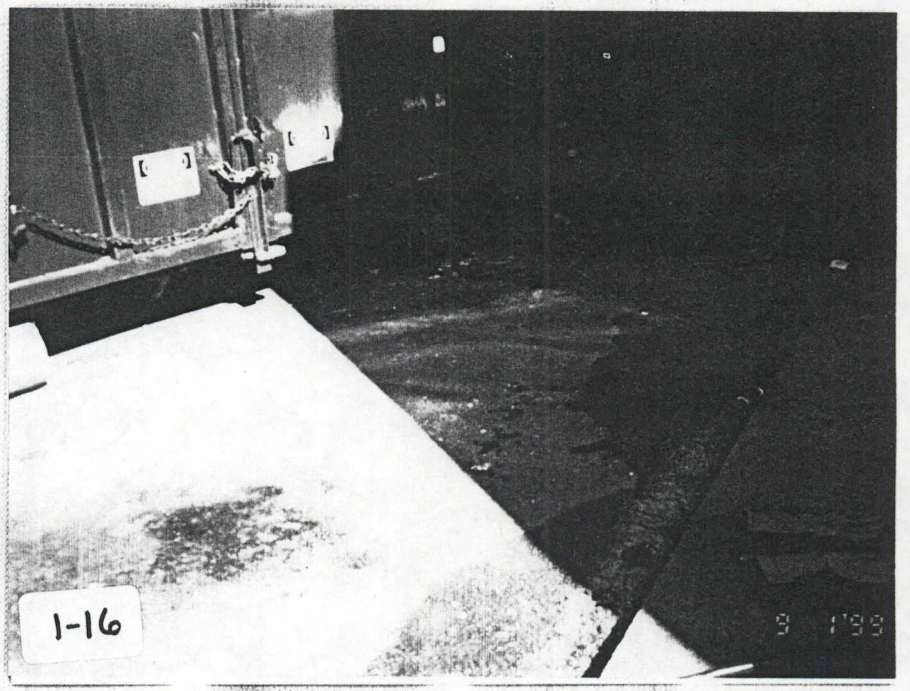
Photo No.	Dir.	By	Date	Time	Description
1-1	NE	HZ	9/1/99	0835	START Wojtanik PID/radiation air monitoring of drums as found on site.
1-2	NE	HZ	9/1/99	0835	Same as 1-1.
1-3	E	HZ	9/1/99	0835	Same as 1-1.
1-4	SE	HZ	9/1/99	0835	Same as 1-1.
1-5	NE	HZ	9/1/99	0900	Drums after being re-organized by START Wojtanik for sampling purposes.
1-6	E	HZ	9/1/99	0905	START Wojtanik sampling drum 09001.
1-7	E	HZ	9/1/99	0910	START Wojtanik sampling drum 09002.
1-8	E	HZ	9/1/99	0925	START Wojtanik sampling drum 09012.
1-9	NE	HZ	9/1/99	0940	START Wojtanik sampling drum.
1-10	E	HZ	9/1/99	0945	Drums after organized by START, drum 09020 in foreground leaking onto sorbent pad placed by START.
1-11		HZ	9/1/99	0946	Drum 09020 leaking onto sorbent pad.
1-12		HZ	9/1/99	0947	Drum label from drum 09001 which is typical of most of the drum labels.
1-13	NE	HZ	9/1/99	1000	START Wojtanik collecting a larger sample for flash point testing.
1-14	N	HZ	9/1/99	1005	Same as 1-13, separate drum.
1-15	N	DW	9/1/99	1035	Site after START removed all drums, residual staining on surface appeared to be historic staining and not from this activity.
1-16	NE	DW	9/1/99	1035	Same as 1-15.
1-17	NE	DW	9/1/99	1035	Same as 1-15.

HZ= Howard Zorzi
DW= Drew Wojtanik

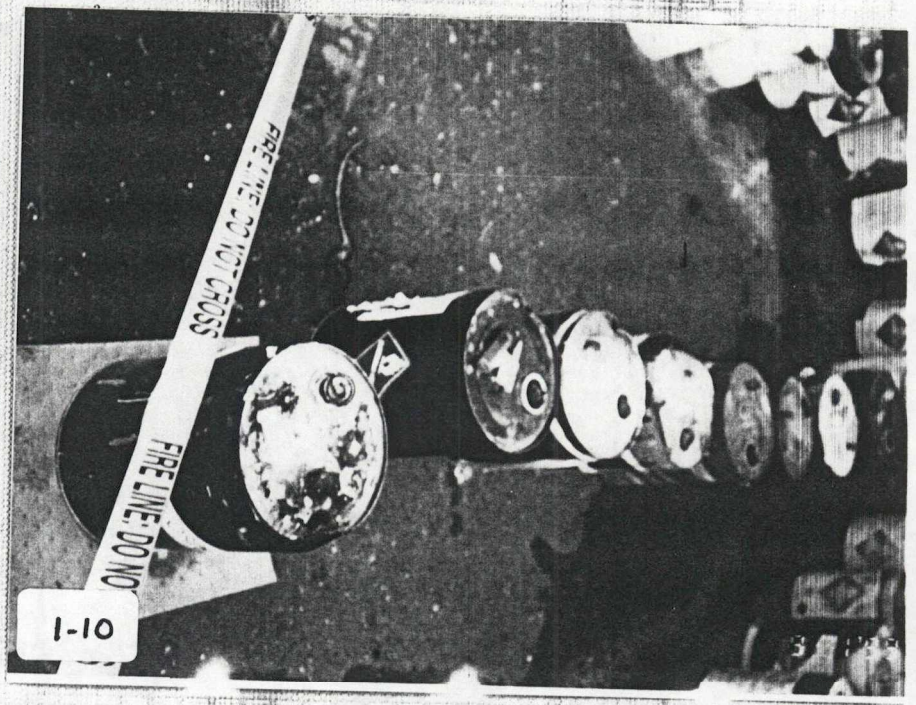

1-13

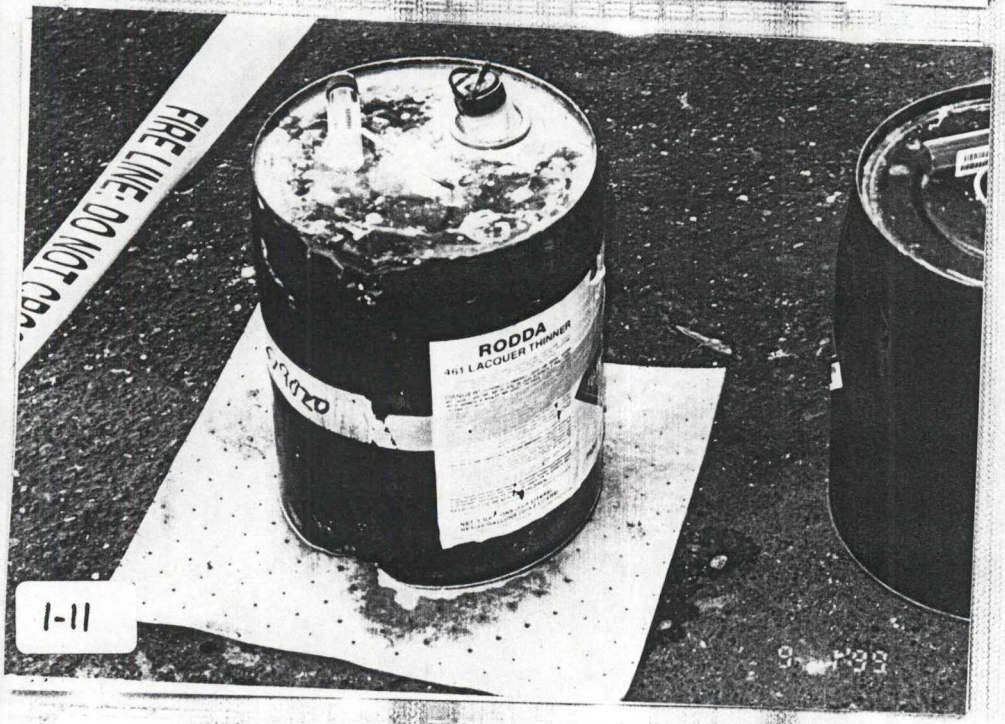

DANGER
STAND CLEAR OF DOOR WHILE UNLOADING
1-14

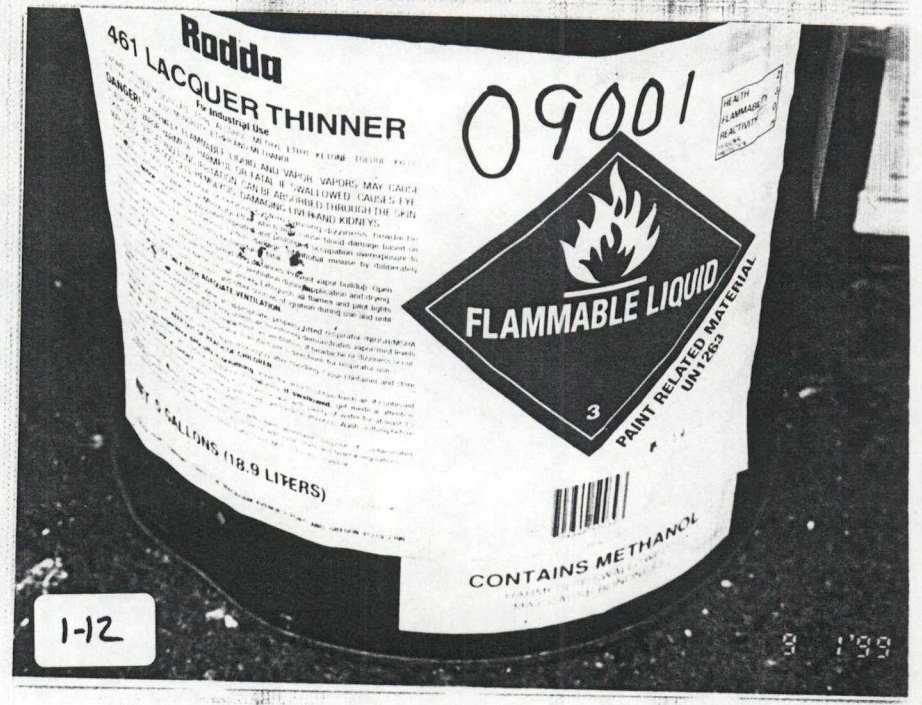

1-15


1-16

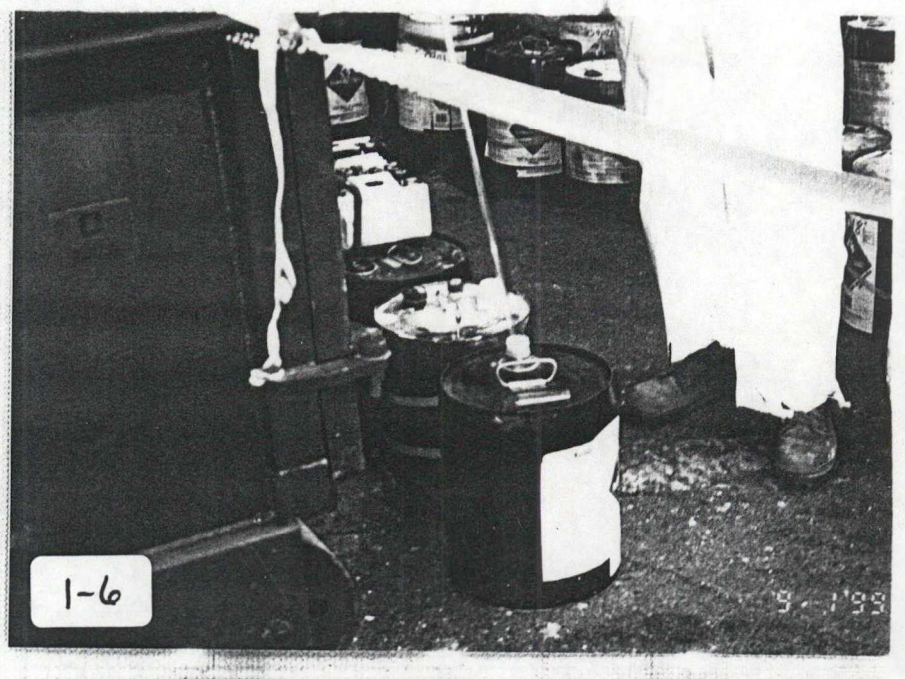

LOAD LIMIT
DANGER
DANGER
1-9


FIRE LINE: DO NOT CROSS
1-10

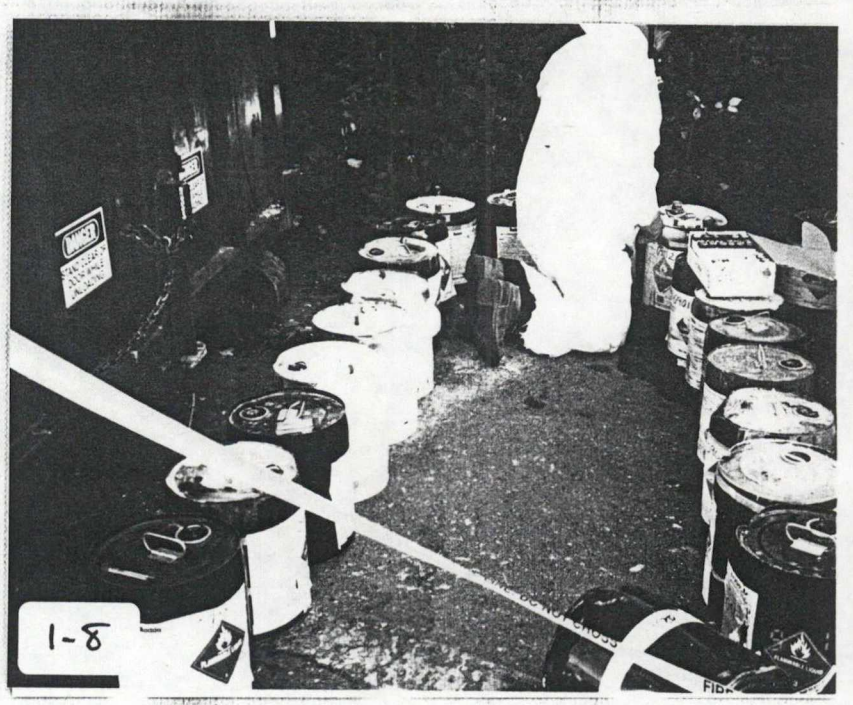

FIRE LINE: DO NOT CROSS
RODDA
461 LACQUER THINNER
1-11


Rodda
461 LACQUER THINNER
For Industrial Use
09001
FLAMMABLE LIQUID
3
PAINT RELATED MATERIAL
UN1263
CONTAINS METHANOL
1-12

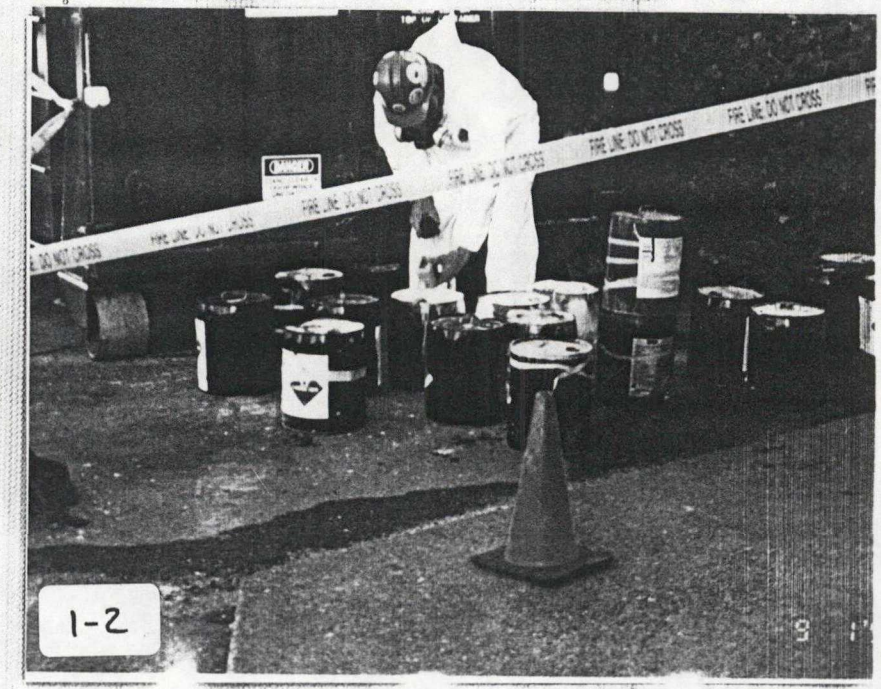

DANGER
DANGER
1-5


1-6


1-7


DANGER
1-8


FIRE LINE: DO NOT CROSS
1-1


FIRE LINE: DO NOT CROSS
1-2


Rodda
LACQUER THINNER
FLAMMABLE LIQUID
RODDA
1-3


1-4

ATTACHMENT B

DRUM INVENTORY INFORMATION

		UNIVERSITY VILLAGE DRUM SITE, 9/1/99		
Drum Number	Volume	Contents Description/Viscosity	PID Reading	Flash Point
09001	Full	Reddish brown, like water	614 ppm	
09002	1/4 full	White/milky, like water	700 ppm	
09003	Full	Cloudy, like water	695 ppm	
09004	Full	Rusty/white, like water	678 ppm	
09005	Full	Cloudy, like water	649 ppm	
09006	Full	Cloudy, like water	680 ppm	
09007	Full	Blue/gray, like water	732 ppm	
09008	3/4 full	Green/gray, like water	679 ppm	
09009**	½ full	Gray, like water	786 ppm	<50°F
09010	Full	Milky white, like water	485 ppm	
09011	Full	Tan, like water	745 ppm	
09012**	1/4 full	Blue/gray, like water	801 ppm	<52°F
09013**	Full	Milky/brown, like water	746 ppm	<58°F
09014	Full	Milky/light brown, like water	740 ppm	
09015	1/4 full	Rust, like water	751 ppm	
09016	½ full	Clear/cloudy, like water	317 ppm	
09017**	Full	Rusty/brown, like water	775 ppm	<56°F
09018	Full	Tan/milky, like water	690 ppm	
09019	Full	Gray, like water	733 ppm	
09020*	½ full	Brown/milky, like water	750 ppm	
09021	Full	Clear, like water	172 ppm	
09022	3/4 full	Blue, like water	595 ppm	
09023	3/4 full	Brown/tan, like water	774 ppm	
09024**	3/4 full	Brown/tan, like water	793 ppm	<52°F

* Drum was leaking from the bottom

** Samples were also flash point tested by START Byers

ATTACHMENT C

PENSKY-MARTENS CLOSED CUP TESTER RESULTS

ecology and environment, inc.
International Specialists in the Environment

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MEMORANDUM

Date: October 1, 1999

To: Drew Wojtanik, Emergency Response Director, Ecology and Environment, Inc.

From: David Byers, Chemist, CHMM, Ecology and Environment, Inc.

Subj: Pensky-Martens Flash Point Analysis

Ref: TDD: 99-09-0007, Shades of Seattle, University Village Dump Site

On September 3, 1999 I performed Pensky-Martens Closed Cup flash point analysis on 5 liquid samples following ASTM method D-93 (96), Procedure A, *manual apparatus*. Descriptions of the samples and their flash points are given below.

Sample Number	Sample Description	Flash** Point °F
09009	Dark greenish murky liquid, slight precipitate (ppt.)	<50
09012	Murky dark blue liquid with slight whitish blue ppt.	<52
09013	Murky brown liquid with slight white ppt.	<58
09017	Murky brown liquid with slight whitish/tan ppt.	<56
09024	Murky brown liquid with slight white ppt.	<52

**A "<" symbol prior to the flash point indicates that the sample flashed violently at the ambient temperature. The actual flash point is much lower than the ambient temperature listed.
The Flash Point temperatures have been corrected for barometric pressure per ASTM D-93 section 13.